In the Claims:

Amend claims 1 and 10 by re-writing them as follows:

1. (Twice Amended) Process for producing a cylindrical component of glass, comprising:

feeding a glass composition to a heating zone,

softening the glass composition in the heating zone,

continuously plastically deforming the softened glass composition in a deformation zone to form a component, the deformation zone having a circumference,

determining a -- size and location of a deviation of a -- [the] determined cross-sectional geometry from a nominal geometry of the component, and

locally heating or cooling the composition in at least one deformation area, which extends over only a part of the circumference of the deformation zone, -- wherein said local heating or cooling is performed automatically -- as a function of a size and location of said deviation of the -- determined -- cross-sectional geometry from the nominal geometry.

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10. (Twice Amended) Apparatus for producing a cylindrical component of glass, said apparatus comprising a feed device, a heating device, and a take-off device, where [the] -- a -- glass composition is fed continuously by the feed device to the heating device, in which it is softened, and where the component is formed out of the softened glass composition by means of the take-off device in a deformation zone, further comprising heating and/or cooling means (4; 19) which act locally on at least one deformation area (18; 18a), which extends over only part of the circumference of the deformation zone (14) -- , and wherein the heating and cooling means (4; 19) are connected to an automatic control device (9), and, as a function of a control signal from a

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